
Direct and Mediated Associations among Audit Quality, Earnings Quality, and Share Price: The Case of Jordan

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Abstract:

Purpose: The current study aims to investigate the relationship between audit quality and the share price in Jordan as a developing market. Moreover, it also uses the role of earnings quality as a mediator factor in the study model.

Design/Approach/Methodology: The study sample is comprised of all Jordanian industrial public shareholding companies listed in Amman Stock Exchange during the years 2010 to 2018. Therefore, this study uses a panel data analysis on financial disclosures.

Findings: The study concluded that a high audit quality and a high earnings quality separately increase the share price. The earnings quality partially mediates the relationship between audit quality and the share price. It was also found that a high audit quality does not improve earnings quality of the targeted companies.

Practical Implication: The findings can be used in efforts to: (i) identify the level of Jordanian market control over audit quality and earnings quality with evidence; (ii) provide more explanations on the importance of audit quality and quality of financial information in the business environment; (iii) the results of this study will be more important for the investors, management, decisions makers, policy makers, and other interested parties; (iv) the findings of the study help the policy makers to adopt good regulations to improve the transparency in reporting the financial information that affects the share price.

Originality/Value: The study is an original study and it adds to scholarly debate on effect of audit quality and earnings quality on the share price in Jordan as a developing market. It also uses the role of earnings quality as a mediator factor in the relationship between audit quality and the share price.

Keywords: Earnings management, earnings quality, audit quality, share price.

JEL codes: M21, M40, M41, N20.

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1. Introduction

A modern business environment witnesses rapid changes in various fields and large-scale global challenges represented by the globalization of the economy and spread of information (Abdallah *et al.*, 2015). The need for financial reporting arises originally because of the separation of ownership, management and control in the recent times of business organizations. Financial reporting is one of the primary responsibilities of the firms' management that enables them to give an account of their stewardship (Tyokoso *et al.*, 2016). So, the role of auditor is to plan and perform audits to obtain reasonable assurance that the financial statements are free of material misstatements and to express their opinion on fair presentation of the financial statements (Christensen *et al.*, 2016).

Many researchers (Inaam and Khamoussi, 2016) have investigated the effect of audit quality on reducing the extent of earnings management, but empirical evidence is rather inconsistent. Inaam and Khamoussi (2016) documented that audit quality has a negative relationship with real earnings management. Audit quality may help Board of Directors, stakeholders, and regulators by reducing the opportunities given to companies' directors to engage in earnings management. Zgarni *et al.* (2016) also noted a significant relationship between the score of auditor industry specialization and earnings management constrains as auditor industry speciality contributes to reduce the discretionary accruals as a proxy for earnings management (Larson and Resuttek, 2011). Muttakin *et al.* (2017) found that the discretionary accruals are positively linked to business group affiliation status, and the higher audit quality reduces this link. They also discussed that audit quality can help to improve earnings quality. This view is supported by the work of Orazalin and Akhmetzhanov (2019), Leuz *et al.* (2003), Wysocki (2005), Latif *et al.* (2017), and Antonio *et al.* (2019).

Oroud *et al.* (2019) discussed the role of audit quality in the relationship between the cash flows and accruals with the share price, and they noted that cash flows and accruals have a significant relationship with the share prices. They also confirmed that audit quality has significant moderating in this relationship. High audit quality will improve the reliability of information related to financial statements, and this contributes to increase the share prices (Balsam *et al.*, 2003; Krishnan, 2003; Khurana and Raman, 2004).

Some empirical evidence (Doyle *et al.*, 2007; Drake *et al.*, 2009; Alsufy *et al.*, 2020) documented that quality of financial statements affects accruals, and a low-quality audit means a high level of mispricing. At the same time, other empirical evidence (Charitou *et al.*, 2001; Pourheydari and Ahmadi, 2008; Penman and Yehuda, 2009) documented that the share price is significantly linked with the information related to financial statements and earnings. Wijaya (2020) examined the relationship between audit quality and firm value, and they found that audit quality has a positive relationship with firm value. The reason is that higher audit quality is expected to reduce information asymmetry, and to reduce agency costs, as well as increase firm

value (Abdelghany, 2005; Asthana, 2014; Alsmairat *et al.*, 2018; Ugwunta *et al.*, 2018).

Allahkaram *et al.* (2017) argued that there is a significant positive relationship of auditor specialization and audit firm size with earnings sustainability, while no significant relationship between auditor tenure and earnings sustainability. The auditor specialization and big-audit firms contribute to improve investment efficiency in business firms, and thus earnings sustainability will increase. While Almarayeh *et al.* (2020) investigated the role of audit quality in reducing earnings management in order to improve the share market prices. They noted that auditor size and audit fees have no significant effect on earnings management.

Therefore, it can be noted that numerous studies (Charitou *et al.*, 2001; Balsam *et al.*, 2003; Krishnan, 2003; Khurana and Raman, 2004; Pourheydari and Ahmadi, 2008; Penman and Yehuda, 2009; Muttakin *et al.*, 2017; Orazalin and Akhmetzhanov, 2019; Almarayeh *et al.*, 2020; Kourtis *et al.*, 2019) have investigated the role of audit quality in the quality of financial statements and the share price. Those studies obtained varying and inconsistent findings. As well, more of those studies provided some evidences from developed markets, and thus there are limited attempts in developing markets. Continuously, this study develops an econometric model of the direct relationship between audit quality and the share price, as new empirical evidence from Jordanian market, as an emerging market. Continually, it investigates the role of earnings quality as a mediator factor in this relationship.

According to Okolie *et al.* (2013) and Okolie (2014), the stakeholder theory, the agency theory, and the signalling theory suggested auditing as a tool for mitigating information asymmetries in the financial statements. The high audit quality treats information asymmetry, as well as it reduces the uncertainties in earnings, and this may improve the share price. The stakeholder theory is a theory of companies' management and business ethics that accounts for multiple constituencies affected by business entities, such as creditors, employees, local communities, suppliers, and others (Miles, 2012). This theory addresses values and morals in managing a company (Laplume *et al.*, 2008). Agency theory is a theory that is used to resolve and explain issues in the relationship between business shareholders and their agents (company's executives) (Jensen and Meckling, 1976; Eisenhardt, 1989). Signalling theory is a theory that is used to examine communication between individuals. Mathematical models explain how signalling can contribute in companies to an evolutionarily stable strategy (Connelly *et al.*, 2011).

Hence, our contributions from the current study exposed through: Firstly, increase the body of the knowledge about the relationship between audit quality and the share price, as well as the role of the earnings quality as a mediator factor in the relationship between audit quality and the share price. This study provides empirical evidences from Jordanian market, as an emerging market, as well as the period of this study covered nine years (2010-2018) after the last financial crisis (August 2008). Secondly,

identifies the level of Jordanian market controlling of audit quality and earnings quality, and provides some evidences about it. This means that perceptions of audit quality and earnings quality may be improve the value of market equity in the Jordanian market. Thirdly, provides more explanations on the importance of audit quality and quality of financial information in the biasness environment. Fourthly, the findings of the current study will be more important for the investors, management, decisions makers, policy makers, and other interest parties. For example, the investors and other interested parties should adopt the deterministic and practical scenarios in order to identify which environmental factors increase the share price. The findings of this study help the policy makers on adopting good regulations to improve the transparency in reporting the financial information that affects the share price.

2. Literature Review

2.1 Audit Quality

The extent to which financial statement users can rely on an audit opinion depends on the quality of the audit performed, which is important to the stability of the capital markets. The large body of the research investigates the topic, regulators, and investors. Researchers also discussed the definition, composition, and measurement of audit quality (Bedard *et al.*, 2010; DeFond and Zhang, 2014; Francis, 2011; Knechel *et al.*, 2013). The Public Company Accounting Oversight Board (PCAOB) currently provides information regarding audit quality through the release of inspection reports, and the Board intends to establish and report audit quality indicators as illustrated in (PCAOB, 2012; 2013; 2014). Moreover, the PCAOB's efforts to define and measure audit quality may affect both auditors' and investors' perceptions of audit quality. DeAngelo (1981) was first who defined audit quality as the market-assessed joint probability that a given auditor discovers a breach in the client's accounting system and reports the breach.

In previous research, audit quality had the proxies of several measurements, including audit firm size, audit tenure, audit industry specialization, accrual, and so on (Hu, 2015). Meanwhile, earnings quality had the proxies of the accrual approach (Al-Thuneibat *et al.*, 2011; Francis and Wang, 2008; Siagian and Tresnaningsih, 2011; Wang *et al.*, 2014) and earning response coefficient (Ghosh and Moon, 2005; Teoh and Wong, 1993; Zakaria and Daud, 2013).

2.2 Earnings Quality

Earnings quality is a key characteristic of financial reporting. It embodies the principle that financial reports should be as useful as possible to investors and other capital providers in making their resource allocation decisions (Abdelghany, 2005; Ball and Shivakumar, 2005; Lymo, 2014; Beyer *et al.*, 2019). High-quality financial reports should improve decision-making and, thus, capital market efficiency (Chan-K *et al.*, 2006). Earnings quality is, however, an elusive construct and people tend to

understand it in various different ways (Dechow *et al.*, 2010). There is no generally accepted measure, but the literature has developed a variety of proxies for earnings quality, which focus on particular attributes of what earnings quality is considered to be (Perotti and Wagenhofer, 2014). Earnings quality shows accurate and unbiased earnings information which can explain company performance (Bissessur, 2008). The advantage of earning quality is that it can be used to help make decisions (Dechow *et al.*, 2010).

2.3 Earnings Quality and the Share Price

Earnings quality and its relationship with share price have emerged as an issue of interest to investors, managers, analysts and other market participants (Dichev *et al.*, 2013; Alsufy *et al.*, 2020). Investors consider reported earnings to be a useful tool in estimating future returns and share prices (Gregory, 2014). On the other hand, analysts are interested in how best to measure the quality of earnings so as to maximize the portfolio of investors. It is therefore difficult for analyst, managers and investors in general to ignore the role of earnings quality in resources allocation (Lipe 1990; Chan *et al.*, 2006; Cahan *et al.*, 2009). So, understanding the relationship between earnings quality and share price is important to the extent that good earnings quality builds confidence in the minds of existing and potential investors as well as other stakeholders (Ekoja, 2004).

Therefore, we will measure the relationship between the audit quality (IV), and the share price as (DV), and how it is improve through earnings quality (Med.V). We hypothesize that high audit quality increases the share price, high audit quality improves earnings quality, high earnings quality increases the share price, and earnings quality mediates the relationship between audit quality and the share price.

2.4 Hypotheses Development

Kim *et al.* (2015) investigated the monitoring role of high-quality auditors defined as office-level industry specialists; they found that the market value of cash increases significantly when the client changes its auditor to a joint industry specialist. Some other studies (Teoh and Wong, 1993; Heninger, 2001; Balsam *et al.*, 2003) have attempted to establish a more or less distinct relationship between audit quality and share prices of a company, and have tried to show the impact of this relationship on the quality of the earnings reported by quoted companies in many countries. The majority of the studies has seemingly contradictory and inconsistent results. Based on above, the first hypothesis was formulated as:

First Hypothesis: High audit quality increases the share price.

The current study measured audit quality by three components, namely auditor size, audit specialization and audit tenure. Previous studies, such as Sumiadjji *et al.* (2019) found audit firm size and audit tenure have an impact on earnings quality, and at the

same time, they found audit specialization has no impact on earnings quality. Moreover, some other studies, like Tyokoso *et al.* (2016) found that there are positive association between audit size, audit specialization and negative association with earnings quality. A research conducted by Zakaria and Daud (2013) also found that the Big 4 auditors have a significant and positive impact on earnings response coefficient (ERC). Based on the previous research results and explanation, the second hypothesis was formulated as:

Second Hypothesis: High audit quality improves earnings quality.

Few studies related to earnings quality with share price have also been documented in the literature. Deakin and Konzelmann (2004) and Jiang *et al.* (2008) focused on either market-based attributes or accounting-based attributes. This approach is considered inadequate in the sense that ignoring either category of the attributes in a study on share prices would not be able to capture the real effect of the different measures of the properties. Accordance to previous studies the third hypothesis has been formulated as follows:

Third Hypothesis: High earnings quality increases the share price.

Accordance to the above hypotheses, and in order to achieve the study objectives, the fourth hypothesis is formulated as following to link and measure all study variables:

Fourth Hypothesis: Earnings quality mediates the relationship between audit quality and the share price.

3. Methodology

The population of this study includes all Jordanian public shareholding companies, which are listed in the Amman Stock Exchange (ASE) from 2010 to 2018. The study sample consists of all Jordanian industrial public shareholding companies. There are 52 Jordanian industrial public shareholding companies listed in ASE up to 2018. Official reports from government entities, such as Central Bank of Jordan at the end of the year 2019 documented that Jordanian industrial sector is one of the most important sectors in Jordanian economy as it contributes about 25.2% of the Gross Domestic Product (GDP) amounted to around 3.25 billion JDs.

This study uses a panel data analysis based on the financial disclosures related to the Jordanian industrial public shareholding companies during the study period. The study model includes audit quality (AQ) as an independent variable, earnings quality (EQ) as a mediate variable, and the share price of industrial public shareholding companies as a dependent variable. AQ is measured by three components namely auditor size, audit specialization and audit tenure (Sumiadji *et al.*, 2019; Alzoubi, 2016; Francis and Wang, 2008; Wang *et al.*, 2014; Al-Thuneibat *et al.*, 2011; Davis *et al.*, 2000; Gul *et al.*, 2009; Myers-J *et al.*, 2003; Balsam *et al.*, 2003). These components, as

dichotomous variables, and assume that Big four audit companies (Deloitte, Ernst & Young-EY, KPMG, and PWC) are of higher quality than non-big four audit companies, as well as auditors (audit companies) with industry specialization are of higher quality than non where the auditors can work more effectively (Sumiadj *et al.*, 2019), and a longer audit company tenure will reduce the level of auditor's independence (Sumiadj *et al.*, 2019; Al-Thuneibat *et al.*, 2011; Davis *et al.*, 2000; Johnson *et al.*, 2002). Thereby, the study measures AQ components based on disclosures of targeted companies as follows:

- Auditor size (ASI): A dummy variable of (1) if the industrial public shareholding company is audited by big four audit companies (Deloitte, Ernst & Young-EY, KPMG, and PWC), and (0) otherwise (Alzoubi, 2016; Sumiadj *et al.*, 2019).
- Audit specialization (ASP): A dummy variable, (1) for audit companies which have industry specialization, and (0) otherwise (Solomon *et al.*, 1999; Zhou and Elder, 2004; Sumiadj *et al.*, 2019).
- Audit tenure (ATE): A dummy variable, (1) if the industrial public shareholding company is audited by same audit company for more than three years, and (0) otherwise (Johnson *et al.*, 2002; Al-Thuneibat *et al.*, 2011; Sumiadj *et al.*, 2019).

EQ in this study is expressed as a ratio. It measured by the operating cash flow to total assets ratio (OCFTAi.t) for the company (i) for the period (t), to the net income to total assets ratio (NITAi.t) for the company i for the period t, as a following equation: (Abu Ali *et al.*, 2011; Alsufy *et al.*, 2020):

$$EQ_{i.t} = \frac{OCFT_{Ai.t}}{NIT_{Ai.t}}$$

The share price (SPi.t) is the shares prices of industrial public shareholding company (i) at the end of each year (t) during the study period (2010 to 2018) (Warrad, 2017). However, the company size of industrial public shareholding is a control variable in this study. It is a dummy variable, [1] (a small-sized) if the total assets of company is less than 20 million JD, [2] (a med-sized) if total assets is ranged 20 to less than 40 million JD, [3] (a large-sized) if total assets is ranged 40 to less than 60 million JD, and finally [4] (a very large-sized) if the total assets otherwise.

Table (1) shows the distribution of industrial public shareholding companies based on the previous four sizes, and the Table indicates that 72.5% of industrial public shareholding companies were their total assets less than 40 million JD, and 27.5% of the targeted companies were their total assets 40 million JD and more.

Table 1. Companies' sizes

Variables	Frequenc y	Percent %	Cumulative Percent %
Less than 20 million JD	268	57.3	57.3
≥ 20 million JD to less than 40 million JD	71	15.2	72.5
≥ 40 million JD to less than 60 million JD	33	7.0	79.5
60 million JD and more	96	20.5	100

Source: Own study.

4. Data Analysis and Findings

Initially, the study relied on deleting irregular values from the study data, and this is in order to improve reliability and validity of the data for testing. Moreover, the multicollinearity tests had used in this study in order to identify if the data of the study suffer from any econometric problems (Baltagi *et al.*, 2010; Gujarati and Porter, 2009; Baltagi, 2008). This study checked the multicollinearity via Pearson correlation, and then the Variance Inflation Factor (VIF) and the inverse VIF (tolerance (TOL, 1/VIF)). Table 2 indicates the Pearson correlation (Beta) between the independent, mediator and control variables of the study, respectively. The multicollinearity issue appears when the correlation value (Beta) between two variables is more than 0.8 (Gujarati, 2003). The Pearson correlation values between the study variables are less than 0.80, therefore the regression models of the current study do not suffer (is a *fit*) from the multicollinearity issue.

Table 2. Pearson Correlation (Beta)

Variables	ASI	ASP	ATE	EQ	Size
ASI	1.000				
ASP	0.302	1.000			
ATE	-0.011	-0.300	1.000		
EQ	-0.011	-0.032	-0.051	1.000	
Size (Ln total assets)	0.114	-0.159	0.123	0.011	1.000

Source: Own study.

Then, Table 3 indicates the VIF and TOL values for the independent, mediator and control variables. The result proves that the multicollinearity issue does not exist, and thereby the study model is a fit model. This is because the VIF value for all variables is less than 10 and the TOL value for all variables is more than 10% (Gujarati, 2003).

Table 3. Testing for multicolleniarity

Variables	VIF	1/VIF
ASI	1.121	0.892
ASP	1.165	0.858
ATE	1.066	0.938
EQ	1.012	0.988
Size (Ln total assets)	1.060	0.943

Source: Own study.

Table 4 presents descriptive analysis (minimum and maximum value, arithmetic average, and standard deviation) for the study variables. The arithmetic average value for ASI is 0.320 (SD=0.467), and this means that 32.0% of the industrial public shareholding companies audited by big four audit companies (Deloitte, Ernst & Young-EY, KPMG, and PWC) during the study period (2010 to 2018). Then, the arithmetic average value for ASP is 0.041 (SD=0.199), in other words, 95.9% of audit companies practiced auditing duties for the industrial public shareholding companies not industry specialization.

The arithmetic average value for ATE is 0.877 (SD=0.329). This means that 87.7% of the industrial public shareholding companies audited by same audit company for more than three years. Next, the arithmetic average of EQ between industrial public shareholding companies is 0.861 (SD=2.891). The arithmetic average for SP is JD 2.345 during the study period, and the maximum value of SP is JD 46.51. Also, the arithmetic average for total assets for industrial public shareholding companies in Jordan is JD 64,678,633.

Table 4. Descriptive Analysis

Variables	Minimum	Maximum	Arithmetic average	Standard deviations (SD)
ASI	0	1	0.320	0.467
ASP	0	1	0.041	0.199
ATE	0	1	0.877	0.329
EQ	-14.14	13.25	0.861	2.891
SP (JD)	0.13	46.51	2.345	4.367
Total assets (JD)	320,140	1,211,466,000	64,678,633	186,444,429

Source: Own study.

The study model testing by the linear regression test, using the correcting regression with Driscoll-Kraay standard errors method. The following paragraphs explain the results of the liner regression test for each hypothesis.

First Hypothesis: High audit quality increases the share price

Table 5 indicates the results of this hypothesis. Results indicate that the first hypothesis model is a fit at a significant level of the F-statistic (11.860***). The

independent variable (AQ) in the model explain 0.114 (Adjusted $R^2 = 11.4\%$) of the variations in SP. The consistent term (_Cons) of this model is positively significant (Beta=0.354) at p-value < 0.01. In other words, high AQ positively increases SP, and thus the first hypothesis is accepted.

Table 5. The regression result of the first hypothesis

Variables	$SP_{it} = \alpha + \beta_1 ASI_{it} + \beta_2 ASP_{it} + \beta_3 ATE_{it} + \beta_4 size_{it} + (\varepsilon_i + v_{it})$		
	Coefficients	(t-static)	Sig.
Con-	-0.084	-0.198	0.843
Size	1.262	6.848	0.000***
Con-	0.024	0.032	0.975
ASI	0.437	0.866	0.387
ASP	-0.181	-0.132	0.895
ATE	-0.238	-0.329	0.743
Size (Ln total assets)	1.242	6.538	0.000***
Adjusted R Square	0.114		
(F-value)	11.863***		

Note: *, **, *** = p-value < .10, .05, .01.

Source: Own study.

Second Hypothesis: High audit quality improves earnings quality

The results of the second hypothesis “high audit quality improves earnings quality” are shown in Table 6. These results indicate that the second hypothesis does not fit at a significant level of the F-statistic (0.437), and thus the second hypothesis is rejected. This means that no effect of AQ in improving EQ of industrial public shareholding companies because AQ could be one possible tool to enhance financial reporting quality, but it is not improving EQ because the audit tasks are after extracting the business results and identify the business earnings.

Table 6. The regression result of the second hypothesis – model

Variables	$EQ_{it} = \alpha + \beta_1 ASI_{it} + \beta_2 ASP_{it} + \beta_3 ATE_{it} + \beta_4 size_{it} + (\varepsilon_i + v_{it})$		
	Coefficients	(t-static)	Sig.
Con-	0.768	2.586	0.010**
Size	0.039	0.296	0.767
Con-	0.024	0.032	0.013**
ASI	0.437	0.866	0.974
ASP	-0.181	-0.132	0.419
ATE	-0.238	-0.329	0.242
Size (Ln total assets)	1.242	6.538	0.761
Adjusted R Square	0.007		
(F-value)	0.437		

Note: *, **, *** = p-value < .10, .05, .01.

Source: Own study.

Third Hypothesis: High earnings quality increases the share price

Moreover, the results of third hypothesis test reported in Table 7. Results presents that the model of the hypothesis is a fit at a significant level of the F-statistic (26.813***), and thus this hypothesis is accepted. EQ in this model explain 0.141 (Adjusted $R^2 = 14.1\%$) of the variations in SP. The consistent term (_Cons) of this model is positively significant (Beta=0.382) at p-value < 0.01. Therefore, high EQ affects in increase SP.

Table 7. The regression result of the third hypothesis

Variables	$SP_{it} = \alpha + \beta_1 EQ_{it} + \beta_2 size_{it} + (\varepsilon_i + v_{it})$		
	Coefficients	(t-static)	Sig.
Con-	-0.256	-0.584	0.560
Size	1.437	7.328	0.000***
Con-	-0.277	-0.622	0.535
EQ	0.023	0.279	0.781
Size	1.437	7.317	0.000***
Adjusted R Square	.141		
(F-value)	26.813***		

Note: *, **, ***= p-value < .10, .05, .01.

Source: Own study.

Fourth Hypothesis: Earnings quality mediates the relationship between audit quality and the share price

Table 8 indicates the results of the fourth hypothesis “Earnings quality mediates the relationship between audit quality and the share price”. Results indicate that the model of the hypothesis is a fit at a significant level of the F-statistic (10.466***), and thereby EQ mediates the relationship between AQ and the SP, but not full mediate. AQ with EQ in this model explain 0.133 (Adjusted $R^2 = 13.3\%$) of the variations in SP. The consistent term (_Cons) of this model is positively significant (Beta=0.383) at p-value < 0.01. Thus, the fourth hypothesis is accepted.

Table 8. The regression result of the fourth hypothesis

Variables	$SP_{it} = \alpha + \beta_1 ASI_{it} + \beta_2 ASP_{it} + \beta_3 ATE_{it} + \beta_4 EQ_{it} + \beta_5 size_{it} + (\varepsilon_i + v_{it})$		
	Coefficients	(t-static)	Sig.
Con-	-0.100	-0.123	0.013**
ASI	0.436	0.804	0.422
ASP	-0.216	-0.154	0.878
ATE	-0.308	-0.400	0.689
EQ	0.021	0.251	0.802
Size (Ln total assets)	1.417	6.879	0.000***
Adjusted R Square	0.133		
(F-value)	10.466		

Note: *, **, ***= p-value < .10, .05, .01.

Source: Own study.

5. Conclusions and Discussions

The findings of the current study indicate that high audit quality increases the share price of Jordanian public shareholding companies. This means that audit quality positively increases the market value of the share, and it also indicates that audit quality explains (11.4%) of the variance of the market value of the share. This is because high audit quality will improve the quality of financial information related to financial disclosures, and improve the investors' confidence in these companies, and then the share price increases. Audit quality contributes to reduce information asymmetry, and reduce agency costs, and this will increase the firm value (Abdelghany, 2005; Alsmairat *et al.*, 2018; Asthana, 2014). This finding also matches with the work of Almarayeh *et al.* (2020), Zgarni *et al.* (2016), Balsam *et al.* (2003), Krishnan (2003), and Khurana and Raman (2004), while it does not match with the findings of Allahkaram *et al.* (2017), where they noted no significant relationship between auditor tenure and earnings sustainability.

Furthermore, the current study indicates that high audit quality not improves earnings quality, and this finding not matches with the work of Muttakin *et al.* (2017) and Orazalin and Akhmetzhanov (2019). This result consists with the work of Almarayeh *et al.* (2020). They documented that earnings management not affected by audit quality, especially auditor size and audit fees. This may be referred to the fact that the audit tasks begin after extracting the business results and business earnings.

Additionally, the findings show that high earnings quality increases the share price. Larson and Resutec (2011) documented that earnings quality positively affects market return and then the share price. Continually with this finding, Leuz *et al.* (2003), Wysocki (2005), DeFond *et al.* (2007), Dechow *et al.* (2010), Latif *et al.* (2017), Antonio *et al.* (2019) and Alsufy *et al.* (2020) noted that earnings quality has a positive effect on investor protection, and this will improve the share price. While this finding does not matches with the work of Wijesinghea and Kehelwalatennab (2017). They noted that earnings quality has not effect on manufacturing companies' shares returns, and then it does not support their share price.

The findings point out that earnings quality mediates the relationship between audit quality and the share price. This matches with the work of Balsam *et al.* (2003), Krishnan (2003), Khurana and Raman (2004), and Islam *et al.* (2019). They documented that high audit quality with the improvement of the reliability of information related to financial statements for the users (shareholders and investors) by earnings quality will improve the share price. Also, this is supported by theoretical framework based on the stakeholder theory, the agency theory, and the signalling theory (Okolie *et al.*, 2013; Okolie, 2014).

6. Study Recommendations and Future Research

Based on the findings concluded in this study, the researchers recommend to companies, especially Jordanian industrial public shareholding companies, should be urged to address the obstacles that limit the effect of audit quality and earnings quality on the reliability of information related to financial statements in order to reduce information asymmetry and improve the investors' confidence, and then the share price increases. This study also recommends researchers to investigate the effect of audit quality and earnings quality on earnings management. Future research could also determine factors that affect the share price, to know the best factors to improve the share price, especially in emerging markets.

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